

INTERNATIONAL SEARCH REPORT

PCT/GB2005/000308

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01N1/28 G01N27/447 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N C12Q B01L C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/045246 A1 (MCMILLAN WILLIAM A ET AL) 18 April 2002 (2002-04-18) abstract; figure 2 paragraph '0098! - paragraph '0099! paragraph '0068! - paragraph '0205! -----	1-6, 8-17, 19-32
X	US 6 544 734 B1 (BRISCOE CYNTHIA G ET AL) 8 April 2003 (2003-04-08) column 1, line 39 - column 2, line 47 column 3, line 3 - column 6, line 8 abstract; figures 1,3 ----- -/--	1-8, 17-19, 22-30

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

A document member of the same patent family

Date of the actual completion of the international search

24 May 2005

Date of mailing of the international search report

08/06/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Smith-Hewitt, L

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/138941 A1 (GONG HAIQING ET AL) 24 July 2003 (2003-07-24) paragraph '0082! - paragraph '0087!; figures 1, 11a, 11b	1-8, 12-17, 22-30
Y	paragraph '0095! - paragraph '0102! paragraph '0120! - paragraph '0121! paragraph '0149! - paragraph '0153! paragraph '0158! - paragraph '0198!	19, 20
Y	DE 197 00 364 A1 (BAYER AG, 51373 LEVERKUSEN, DE) 9 July 1998 (1998-07-09) page 2, line 25 - page 2, line 57	19, 20
X	JOON-HO KIM ET AL: "A disposable DNA sample preparation microfluidic chip for nucleic acid probe assay" PROCEEDINGS OF THE IEEE 15TH. ANNUAL INTERNATIONAL CONFERENCE ON MICROELECTRO MECHANICAL SYSTEMS. MEMS 2002. LAS VEGAS, NV, JAN. 20 - 24, 2002, IEEE INTERNATIONAL MICRO ELECTRO MECHANICAL SYSTEMS CONFERENCE, NEW YORK, NY : IEEE, US, vol. CONF. 15, 2002, pages 133-136, XP010577613 ISBN: 0-7803-7185-2 the whole document	9-12, 26-32
X	WO 00/62931 A (CLINICAL MICRO SENSORS, INC; KAYYEM, JON, FAIZ) 26 October 2000 (2000-10-26) page 7, line 10 - page 16, line 22; figures page 38, line 28 - page 40, line 10	1-8, 12-17, 22-31
P, X	WO 2004/096443 A (NOVEMBER AKTIENGESELLSCHAFT GESELLSCHAFT FUER MOLEKULARE MEDIZIN; BART) 11 November 2004 (2004-11-11) the whole document	1-32
A	US 5 229 297 A (SCHNIPELSKY ET AL) 20 July 1993 (1993-07-20) the whole document	1-32
A	EP 0 987 327 A (QIAGEN GMBH) 22 March 2000 (2000-03-22) abstract; claims 17, 19, 20	7, 24, 25
A	PRINZ ET AL.: "Bacterial Chromosome extraction and isolation" LAB CHIP, vol. 2, 2002, pages 207-212, XP009047795 the whole document	1-32
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>SCHILLING E A ET AL: "CELL LYSIS AND PROTEIN EXTRACTION IN A MICROFLUIDIC DEVICE WITH DETECTION BY A FLUOROGENIC ENZYME ASSAY"</p> <p>ANALYTICAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. COLUMBUS, US,</p> <p>vol. 74, no. 8,</p> <p>15 April 2002 (2002-04-15), pages 1798-1804, XP001115858</p> <p>ISSN: 0003-2700</p> <p>the whole document</p>	1-32
A	<p>WATERS L C ET AL: "MICROCHIP DEVICE FOR CELL LYSIS, MULTIPLEX PCR AMPLIFICATION, AND ELECTROPHORETIC SIZING"</p> <p>ANALYTICAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. COLUMBUS, US,</p> <p>vol. 70, no. 1, January 1998 (1998-01), pages 158-162, XP000733220</p> <p>ISSN: 0003-2700</p> <p>the whole document</p>	1-32
A	<p>ZHANG N ET AL: "AUTOMATED AND INTEGRATED SYSTEM FOR HIGH-THROUGHPUT DNA GENOTYPING DIRECTLY FROM BLOOD"</p> <p>ANALYTICAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. COLUMBUS, US,</p> <p>vol. 71, no. 6,</p> <p>15 March 1999 (1999-03-15), pages 1138-1145, XP000831550</p> <p>ISSN: 0003-2700</p> <p>the whole document</p>	1-32

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